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|---|------------------------|--------------------------|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><br><i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i> | Attorney Docket No.    | 66046-0006               |
|   | First Inventor         | Douglas A. Hughes        |
|   | Title                  | HYBRID POWERTRAIN SYSTEM |
|   | Express Mail Label No. | EV223959581US            |

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|---|---|
| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents. | <b>ADDRESS TO:</b><br>MS Patent Application<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |
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|   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><i>(Submit an original, and a duplicate for fee processing)</i><br>2. <input type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27.<br>3. <input checked="" type="checkbox"/> Specification [Total Pages <b>17</b> ]<br><i>(preferred arrangement set forth below)</i><br>- Descriptive title of the invention<br>- Cross Reference to Related Applications<br>- Statement Regarding Fed sponsored R & D<br>- Reference to sequence listing, a table,<br>or a computer program listing appendix<br>- Background of the Invention<br>- Brief Summary of the Invention<br>- Brief Description of the Drawings (if filed)<br>- Detailed Description<br>- Claim(s)<br>- Abstract of the Disclosure<br>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>2</b> ]<br>5. Oath or Declaration [Total Sheets <b>1</b> ]<br>a. <input type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br><i>(for continuation/divisional with Box 18 completed)</i><br>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s)<br>named in the prior application,<br>see 37 CFR 1.63(d)(2) and 1.33(b).<br>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program (Appendix)<br>8. Nucleotide and/or Amino Acid Sequence Submission<br><i>(if applicable, all necessary)</i><br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies<br><b>ACCOMPANYING APPLICATION PARTS</b><br>9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br><i>(when there is an assignee)</i><br>11. <input type="checkbox"/> English Translation Document (if applicable)<br>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations<br>13. <input type="checkbox"/> Preliminary Amendment<br>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><i>(Should be specifically itemized)</i><br>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><i>(if foreign priority is claimed)</i><br>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).<br>Applicant must attach form PTO/SB/35 or its equivalent.<br>17. <input type="checkbox"/> Other: |
|---|--|

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

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| Name (Print/Type) | Bradley J. Diedrich | Registration No. (Attorney/Agent) | 47,526            |
| Signature         |                     | Date                              | December 30, 2003 |

**Utility Patent Application Transmittal**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV223959581US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: December 30, 2003 Signature: (Kathryn L. Nash)

| FEE TRANSMITTAL<br>for FY 2004   |  |      |  | Complete if Known    |                       |
|--|--|------|--|----------------------|-----------------------|
| Effective 10/01/2003, Patent fees are subject to annual revision.              |  |      |  | Application Number   | Not Yet Assigned      |
|  |  |      |  | Filing Date          | Concurrently Herewith |
|  |  |      |  | First Named Inventor | Douglas A. Hughes     |
|  |  |      |  | Examiner Name        | Not Yet Assigned      |
|  |  |      |  | Art Unit             | N/A                   |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 |  |      |  | Attorney Docket No.  | 66046-0006            |
| TOTAL AMOUNT OF PAYMENT  |  | (\$) |  | 856.00               |                       |

| METHOD OF PAYMENT (check all that apply)   |  | FEE CALCULATION (continued)  |          |  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
|--|--|--|----------|--|----------|-----------------|----------|-----------------|----------|----------|----------|----------|----------|------|-----|--------------------|--------|-------------------------------------|-----|------|-----|-------------------|----|--|-----|------|-----|------------------|-----|---------------------------|-----|------|-------|--------------------|-------|--|-----|------|------|------------------------|------|---|--|--------------|--------|--------------|--------|---|----------|----------|----------|----------|----------|--|----|------|-----|------------------------|-----|---|----|------|-----|-----------------------------------|-----|--|-----|------|-------|---------------------------------------|-----|---|----|------|-------|--|-------|--|----|------|-----|--|-----|------------------|--|------|-----|------|-----|--|--|------|-----|------|-----|--------------------------|--|------|-------|------|-------|---|--|------|-----|------|----|----------------------------------|--|------|-------|------|-----|------------------------------------|--|------|-------|------|-----|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|-------------------------------------|--|------|-----|------|-----|---|--|------|----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|
| <input type="checkbox"/> Check<br><input type="checkbox"/> Credit Card<br><input type="checkbox"/> Money Order<br><input type="checkbox"/> Other<br><input type="checkbox"/> None  | <input checked="" type="checkbox"/> Deposit Account:<br>Deposit Account Number: 18-0013<br>Deposit Account Name: Rader, Fishman & Grauer PLLC<br>The Director is authorized to: (check all that apply)<br><input checked="" type="checkbox"/> Charge fee(s) indicated below<br><input checked="" type="checkbox"/> Credit any overpayments<br><input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. | <b>3. ADDITIONAL FEES</b><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> |          | Large Entity   |          | Small Entity    |          | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130 | 2051               | 65     | Surcharge - late filing fee or oath |     | 1052 | 50  | 2052              | 25 | Surcharge - late provisional filing fee or cover sheet |     | 1053 | 130 | 1053             | 130 | Non-English specification |     | 1812 | 2,520 | 1812               | 2,520 | For filing a request for <i>ex parte</i> reexamination |     | 1804 | 920* | 1804                   | 920* | Requesting publication of SIR prior to Examiner action  |  | 1805         | 1,840* | 1805         | 1,840* | Requesting publication of SIR after Examiner action |          | 1251     | 110      | 2251     | 55       | Extension for reply within first month |    | 1252 | 420 | 2252                   | 210 | Extension for reply within second month |    | 1253 | 950 | 2253                              | 475 | Extension for reply within third month |     | 1254 | 1,480 | 2254                                  | 740 | Extension for reply within fourth month |    | 1255 | 2,010 | 2255   | 1,005 | Extension for reply within fifth month |    | 1401 | 330 | 2401   | 165 | Notice of Appeal |  | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal |  | 1403 | 290 | 2403 | 145 | Request for oral hearing |  | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable |  | 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional |  | 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) |  | 1502 | 480 | 2502 | 240 | Design issue fee |  | 1503 | 640 | 2503 | 320 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |  | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37CFR 1.129(b)) |  | 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  |
| Large Entity   |  | Small Entity   |          | Fee Description  | Fee Paid |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Fee Code   | Fee (\$)   | Fee Code   | Fee (\$) |  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1051   | 130  | 2051   | 65       | Surcharge - late filing fee or oath  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1052   | 50   | 2052   | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1053   | 130  | 1053   | 130      | Non-English specification  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1812   | 2,520  | 1812   | 2,520    | For filing a request for <i>ex parte</i> reexamination                     |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1804   | 920*   | 1804   | 920*     | Requesting publication of SIR prior to Examiner action                     |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1805   | 1,840*   | 1805   | 1,840*   | Requesting publication of SIR after Examiner action                        |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1251   | 110  | 2251   | 55       | Extension for reply within first month                                     |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1252   | 420  | 2252   | 210      | Extension for reply within second month                                    |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1253   | 950  | 2253   | 475      | Extension for reply within third month                                     |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1254   | 1,480  | 2254   | 740      | Extension for reply within fourth month                                    |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1255   | 2,010  | 2255   | 1,005    | Extension for reply within fifth month                                     |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1401   | 330  | 2401   | 165      | Notice of Appeal   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1402   | 330  | 2402   | 165      | Filing a brief in support of an appeal                                     |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1403   | 290  | 2403   | 145      | Request for oral hearing   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1451   | 1,510  | 1451   | 1,510    | Petition to institute a public use proceeding                              |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1452   | 110  | 2452   | 55       | Petition to revive - unavoidable   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1453   | 1,330  | 2453   | 665      | Petition to revive - unintentional   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1501   | 1,330  | 2501   | 665      | Utility issue fee (or reissue)   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1502   | 480  | 2502   | 240      | Design issue fee   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1503   | 640  | 2503   | 320      | Plant issue fee  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1460   | 130  | 1460   | 130      | Petitions to the Commissioner  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1807   | 50   | 1807   | 50       | Processing fee under 37 CFR 1.17(q)  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1806   | 180  | 1806   | 180      | Submission of Information Disclosure Stmt                                  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 8021   | 40   | 8021   | 40       | Recording each patent assignment per property (times number of properties) |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1809   | 770  | 2809   | 385      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1810   | 770  | 2810   | 385      | For each additional invention to be examined (37CFR 1.129(b))              |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1801   | 770  | 2801   | 385      | Request for Continued Examination (RCE)                                    |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1802   | 900  | 1802   | 900      | Request for expedited examination of a design application                  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>1. BASIC FILING FEE</b><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td>770.00</td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table> <p style="text-align: right;"><b>SUBTOTAL (1)</b> (\$) 770.00</p> |  | Large Entity   |          | Small Entity   |          | Fee Description | Fee Paid | Fee Code        | Fee (\$) | Fee Code | Fee (\$) | 1001     | 770      | 2001 | 385 | Utility filing fee | 770.00 | 1002                                | 340 | 2002 | 170 | Design filing fee |    | 1003   | 530 | 2003 | 265 | Plant filing fee |     | 1004                      | 770 | 2004 | 385   | Reissue filing fee |       | 1005   | 160 | 2005 | 80   | Provisional filing fee |      | <b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table> <p style="text-align: right;"><b>SUBTOTAL (2)</b> (\$) 86.00</p> |  | Large Entity |        | Small Entity |        | Fee Description                                     | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1202                                   | 18 | 2202 | 9   | Claims in excess of 20 |     | 1201                                    | 86 | 2201 | 43  | Independent claims in excess of 3 |     | 1203                                   | 290 | 2203 | 145   | Multiple dependent claim, if not paid |     | 1204                                    | 86 | 2204 | 43    | ** Reissue independent claims over original patent |       | 1205                                   | 18 | 2205 | 9   | ** Reissue claims in excess of 20 and over original patent |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Large Entity   |  | Small Entity   |          | Fee Description  | Fee Paid |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Fee Code   | Fee (\$)   | Fee Code   | Fee (\$) |  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1001   | 770  | 2001   | 385      | Utility filing fee   | 770.00   |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1002   | 340  | 2002   | 170      | Design filing fee  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1003   | 530  | 2003   | 265      | Plant filing fee   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1004   | 770  | 2004   | 385      | Reissue filing fee   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1005   | 160  | 2005   | 80       | Provisional filing fee   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Large Entity   |  | Small Entity   |          | Fee Description  | Fee Paid |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Fee Code   | Fee (\$)   | Fee Code   | Fee (\$) |  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1202   | 18   | 2202   | 9        | Claims in excess of 20   |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1201   | 86   | 2201   | 43       | Independent claims in excess of 3  |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1203   | 290  | 2203   | 145      | Multiple dependent claim, if not paid                                      |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1204   | 86   | 2204   | 43       | ** Reissue independent claims over original patent                         |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1205   | 18   | 2205   | 9        | ** Reissue claims in excess of 20 and over original patent                 |          |                 |          |                 |          |          |          |          |          |      |     |                    |        |                                     |     |      |     |                   |    |  |     |      |     |                  |     |                           |     |      |       |                    |       |  |     |      |      |                        |      |   |  |              |        |              |        |   |          |          |          |          |          |  |    |      |     |                        |     |   |    |      |     |                                   |     |  |     |      |       |                                       |     |   |    |      |       |  |       |  |    |      |     |  |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |

\*\*or number previously paid, if greater; For Reissues, see above

| SUBMITTED BY      |                     | (Complete if applicable)          |                   |
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|                   |                     | Date                              | December 30, 2003 |

| Fee Transmittal  |                               |
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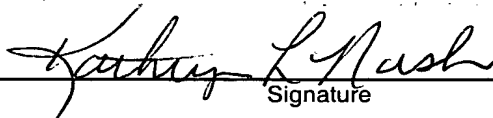
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